

Converting Colors

CIELCh(67, 64.255, 153.697)

Have a look what the booklet for
CIELCh(67, 64.255, 153.697)
contains.

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Color

CIELCh(67, 64.375, 153.634)

Conversions

Conversions Part 1

Format	Color
Hex	03BB6D
RGB	3, 187, 109
RGB Percent	1%, 73%, 43%
CMY	0.9894, 0.2669, 0.5728
CMYK	0.99, 0.00, 0.42, 0.27
HSL	155°, 97%, 37%
HSV	155°, 99%, 73%
XYZ	20.5466, 36.6320, 20.4385
YIQ	123.0920, -84.6260, -63.2660

Conversions

Conversions Part 2

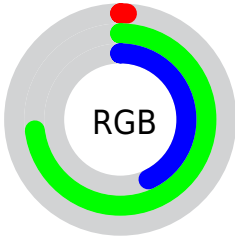
Format	Color
RYB	3, 120, 187
Decimal	244589
CIELab	67.00, -57.68, 28.59
CIELCh	67, 64.375, 153.634
Yxy	36.6320, 0.2647, 0.4720
Android (android.graphics.Color)	4278434669 (0xFF03BB6D)
YUV	123.0920, -6.9474, -105.3207
Hunter-Lab	60.5244, -45.3210, 22.3454

Details

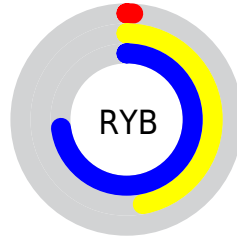
The CIELCh color **67, 64.375, 153.634** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **40, 66.639, 8.787**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 64.310, 153.623**, and **48, 56.324, 147.664** is the 20% darker color. If you saturate the color by 10%, you get **67, 64.915, 153.324**, and if you desaturate by 10%, it is **67, 60.523, 155.845**.

Distribution



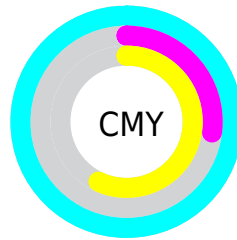
- Red (1%)
- Green (73%)
- Blue (43%)



- Red (1%)
- Yellow (47%)
- Blue (73%)



- Cyan (99%)
- Magenta (0%)
- Yellow (42%)
- Black (27%)





- Cyan (99%)
- Magenta (27%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 64.375, 153.634 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 67, 64.375, 153.634 by changing the saturation by 10% instead.


 67, 64.375,
153.634


 67, 64.375,
153.634


 100, 64.375,
153.634


 57, 64.375,
153.634


 87, 64.375,
153.634

 47, 64.375,
153.634

 97, 64.375,
153.634

 37, 64.375,
153.634

 27, 64.375,
153.634

 17, 64.375,
153.634

 7, 64.375, 153.634

 0, 64.375, 153.634

■ 67, 64.375,
153.634

■ 67, 64.375,
153.634

■ 67, 64.915,
153.324

■ 67, 60.523,
155.845

■ 68, 56.002,
157.898

■ 68, 50.710,
159.740

■ 69, 44.671,
161.380

■ 70, 37.965,
162.835

■ 71, 30.710,
164.129

■ 72, 23.040,
165.288

■ 73, 15.089,

166.337

■ 74, 6.978, 167.313

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



67, 64.375, 153.634



40, 66.639, 8.787

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67, 64.375, 153.634



67, 64.375, 203.634



67, 64.375, 333.634



67, 64.375, 23.634

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



67, 64.375, 153.634



90, 29.820, 165.074



68, 87.719, 129.966



48, 20.403, 164.588



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67, 64.375, 153.634



85, 79.468, 152.918



65, 36.387, 207.589



39, 4.659, 167.235



57, 57.003, 153.644



9, 15.714, 160.546

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40, 66.639, 8.787



52, 81.409, 10.356



39, 81.007, 40.307



37, 4.739, 348.775



33, 59.108, 8.741



3, 13.425, 356.034

Previews

White Background



This preview shows how the CIELCh color 67, 64.375, 153.634 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 67, 64.375, 153.634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 64.375, 153.634

Background



This preview shows how black text looks on a background with the CIELCh color 67, 64.375, 153.634.



This preview shows how white text looks on a background with the CIELCh color 67, 64.375, 153.634.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

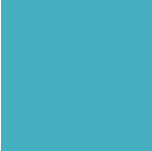
Dichromacy



Original Color
67, 64.375, 153.634

Protanopia
67, 34.841, 95.739

Deuteranopia
66, 26.992, 71.849



Tritanopia
67, 30.868, 212.909

Trichromacy



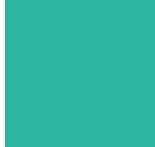
Original Color
67, 64.375, 153.634



Protanomaly
65, 43.406, 137.642



Deuteranomaly
64, 34.494, 137.524



Tritanomaly
67, 39.809, 180.811

Monochromacy



Original Color
67, 64.375, 153.634



Achromatopsia
52, 0.007, 296.813



Achromatomaly
56, 29.410, 163.629

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 64.375, 153.634 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(3, 187, 109)` looks like.

```
.text, #text, p{  
    color:rgb(3, 187, 109)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(3, 187, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 187, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 64.375, 153.634 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(3, 187, 109) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(3, 187, 109) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(3, 187, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 187, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 187, 109);  
box-shadow:4px 4px 4px 4px rgb(3, 187,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 64.375, 153.634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 187, 109) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(3, 187,  
109) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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